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Notice of Allowability

Application No.

10/810,581

Examiner

Pranav V. Khatri

Applicant(s)

SHIMOMURA, HIDEKAZU

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 14 November, 2005.
2. ☒ The allowed claim(s) is/are 1,5-9 and 19-24.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>11/14/2005</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Allowable Subject Matter

Claims 1, 5-9, and 19-24 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: claims are allowable at least for the reason that the prior art does not teach or reasonably suggest wherein the scanning optical system consists of a glass lens, a first plastic lens, and a second plastic lens, which are disposed in this order from the deflection means, wherein the glass lens has negative power in the main scanning direction, the first plastic lens has positive power in the main scanning direction, and the second plastic lens has negative power in the main scanning direction, and wherein the scanning optical system satisfies a relational expression, $|\Phi_G/\nu_G + \Phi_P/\nu_P| < 0.02 \times \Phi$.

Iizuka (5,764,399) teaches a scanning optical system wherein four lens elements, the first lens having negative power, the second lens having positive power, the third lens having positive power, and the fourth lens having negative power; but Iizuka lacks the optical system consists of a glass lens, a first plastic lens, and a second plastic lens, which are disposed in this order from the deflection means, wherein the glass lens has negative power in the main scanning direction, the first plastic lens has positive power in the main scanning direction, and the second plastic lens has negative power in the main scanning direction, and wherein the scanning optical system satisfies a relational expression, $|\Phi_G/\nu_G + \Phi_P/\nu_P| < 0.02 \times \Phi$.

Mochizuki et al. (6,388,791) teaches a scanning optical system wherein three lens element, the first lens being a plastic lens having negative power, and the second

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and third lenses being plastic having positive power; but Iizuka lacks the optical system consists of a glass lens, a first plastic lens, and a second plastic lens, which are disposed in this order from the deflection means, wherein the glass lens has negative power in the main scanning direction, the first plastic lens has positive power in the main scanning direction, and the second plastic lens has negative power in the main scanning direction, and wherein the scanning optical system satisfies a relational expression, $|\Phi_G/\nu_G + \Phi_P/\nu_P| < 0.02 \times \Phi$.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pranav V. Khatri whose telephone number is 571-272-8311. The examiner can normally be reached on M-F, 8:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Drew Dunn can be reached on 571-272-2312. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Pranav Khatri
Examiner
01/10/2006

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EUN-CHA P. CHERRY
PRIMARY EXAMINER